

Title (en)
LIMITER SYSTEM AND METHOD FOR AVOIDING CLIPPING DISTORTION OR INCREASING MAXIMUM SOUND LEVEL OF ACTIVE SPEAKER

Title (de)
BEGRENZERSYSTEM UND VERFAHREN ZUR VERMEIDUNG VON CLIPPING-VERZERRUNGEN ODER ZUR ERHÖHUNG DES MAXIMALEN SCHALLPEGELS EINES AKTIVEN LAUTSPRECHERS

Title (fr)
SYSTÈME DE LIMITEUR ET PROCÉDÉ POUR ÉVITER LA DISTORSION D'ÉCRÊTAGE OU AUGMENTER LE NIVEAU SONORE MAXIMUM D'UN HAUT-PARLEUR ACTIF

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Application
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Priority
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Abstract (en)
[origin: EP3829192A1] The present disclosure provides a limiter system (100) including a first equalization filter (110), a low-pass filter (120), a first limiter (130), a high-pass filter (140), a second limiter (150), and a mixer (160). The limiter system (100) further includes a second equalization filter (170). An audio signal from a signal source first passes through the first equalization filter (110), the signal equalized for the first time is divided into two signals, one signal is processed by the low-pass filter (120) and the first limiter (130), the other signal is processed by the high-pass filter (140) and the second limiter (150), and then the two processed signals enter the mixer (160) to be mixed and outputted. The mixed output signal is subjected to second equalization filtering by the second equalization filter (170) to avoid clipping distortion or to obtain a higher maximum sound level.

IPC 8 full level
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